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M1 - [01] M423 M781 M903 P617 P943 Q254 Q262 R021 V600 V645

M6 - [02] M903 P617 P943 Q254 Q262 R021 R111 R210

PA - (MIKI-N) MIKIMOTO SEIYAKU KK

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XA - C1995-073523

XIC - A61K-007/48 ; A61K-035/56 ; A61K-038/44

AB - J07082132 Inhibitor contains hydrolysate of mucus of shellfish.

- Prepn. comprises desalting before or after hydrolysis of the mucus of shellfish.

- USE - The active oxygen inhibitor is used for prevention of skin aging and pigmentation. It is used as skin lotion, cream, milky lotion and face pack.

- In an example, mucus of (270g) was prepd. by centrifugation of shelled *Pinctada martensi* (10.0kg). To 100g of the mucus, ethanol of equal vol. was added, left at 5 deg.C and centrifuged. To the residue, 20ml of distilled water was mixed, and then 20ml of ethanol was mixed and centrifuged. The procedure was repeated 8 times. Then, distilled water (200ml) and Actinase E (0.5g) were added, left at 50 deg.C for 6 hours, then heated at 100 deg. C for 30 minutes, filtered and freeze-dried.

- Skin lotion comprised 0.5 wt.% olive oil, 2.0 wt.% polyoxyethylene (20E.O) sorbitan monostearate, 2.0 wt.% polyoxyethylene (60E.O) hardened castor oil, 10.0 wt.% ethanol, 5.0 wt.% 5.0 % aq. soln. of hydrolysate of *Pinctada martensi* mucus and 80.5 wt.% distilled water. The lotion improved rough skin texture when applied for 3 months on 6 women.

- (Dwg.0/0)

IW - ACTIVE OXYGEN INHIBIT PREVENT SKIN AGE CONTAIN HYDROLYSATE SHELLFISH MUCUS

IKW - ACTIVE OXYGEN INHIBIT PREVENT SKIN AGE CONTAIN HYDROLYSATE SHELLFISH MUCUS

NC - 001

OPD - 1993-09-14

ORD - 1995-03-28

PAW - (MIKI-N) MIKIMOTO SEIYAKU KK

TI - Active oxygen inhibitor for preventing skin aging - contains hydrolysate of shellfish mucus